

## INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2004/003799A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L27/26 G06F17/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	E CHU ET AL: "Inside the FFT black box" 'Online! 2000, CRC PRESS, BOCA RATON, XP002314648 Retrieved from the Internet: URL: <a href="http://www.engnetbase.com/books/735/0270_pdf_toc.pdf">http://www.engnetbase.com/books/735/0270_pdf_toc.pdf</a> 'retrieved on 2005-01-24! Chapter 14  ----- -/--	1-26

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

02/02/2005

Name and mailing address of the ISA

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PL IB2004/003799

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>R MATUSIAK: "Implementing Fast Fourier Transform Algorithms of Real-Valued Sequences with the TMS320 DSP Family" TEXAS INSTRUMENTS, APPLICATION REPORT SPRA291, December 1997 (1997-12), XP002314647 Retrieved from the Internet: URL: <a href="http://www.eetkorea.com/ARTICLES/2001MAY/2001MAY07_DSP_EMS_AN.PDF">http://www.eetkorea.com/ARTICLES/2001MAY/2001MAY07_DSP_EMS_AN.PDF</a> 'retrieved on 2005-01-24! page 12 - page 19 page 30 - page 40</p>	1-26
X	<p>----- EP 0 668 678 A2 (ITALTEL SOCIETA ITALIANA TELECOMUNICAZIONI S.P.A) 23 August 1995 (1995-08-23) the whole document</p>	1-26
X	<p>----- BOTARO HIROSAKI: "AN ORTHOGONALLY MULTIPLEXED QAM SYSTEM USING THE DISCRETE FOURIER TRANSFORM" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 29, no. 7, July 1981 (1981-07), pages 982-989, XP000568062 ISSN: 0090-6778 the whole document</p>	1-26

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0668678	A2	23-08-1995 IT	1273794 B
			10-07-1997